

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently amended): A field converter comprising,

material pieces,

said material pieces each having an external shape of an equilateral hexagonal prism, and
said material pieces each having a hole of an annular section penetrating through a base and a top
thereof,

an internal surface of said hole having a spiral groove,

a material of said material piece being selected from the group consisting of austenitic
stainless steel, martensitic stainless steel, platinum, gold, silver, titanium and diamond,

said material pieces having been heat-treated,

said material pieces being oriented in an arrangement such that the central axes thereof
~~(said central axes each is an axis which is parallel to six sides of said equilateral hexagonal prism
and perpendicular to said base and said top thereof)~~ are parallel to each other, wherein said
central axes of each is an axis which is parallel to six sides of said equilateral hexagonal prism
and perpendicular to said base and said top thereof [[and]]

said arrangement being retained, wherein said arrangement is one such that,

said material pieces form a kind of concentric circle, and

a drawing line linked projected points, which are caused that said central axes of the
outermost circumferentially located plural material pieces of said kind of concentric circle are

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projected on a plane perpendicular to said central axis of said material piece, to form an equilateral hexagon.

2. (Original): A field converter as defined in claim 1, wherein,
said material pieces have identical shape and identical size to each other,
said hole having a circular prism shape, a central axis of said hole is identical with said central axis of said material piece, and
said arrangement is one such that said bases of said material pieces makes a plane and said sides of said material pieces are adjacent to each other.

3. (Cancelled)

4. (Previously Presented): A field converter comprising a plurality of said field converters as defined in claim 1, wherein said field converters are piled one on top of the other.

5. (Currently amended): A field converter comprising a plurality of said field converters as defined in claim ~~[[3]]~~ 1, wherein,
said field converters are piled one on top of the other, and
the central axes of the central material pieces of said kind of concentric circle arrangements are generally aligned.

6. (Previously Presented): A field converter as defined in claim 1, wherein, material of said material piece is SUS304 stainless steel.
7. (Previously Presented): A field converter as defined in claim 1, wherein, said heat-treating is such that, the heating temperature is equal to or more than 800 °C, and the heating duration is equal to or more than 5 minutes.
8. (Previously Presented): A field converter as defined in claim 1, wherein, a length of the side of said equilateral hexagon being designated as a cross section of said equilateral hexagonal prism of said material piece, is equal to or less than 10 mm, and a height of said equilateral hexagonal prism is shorter than said length of said side.
9. (Previously Presented): A field converter as defined in claim 1, wherein, said spiral groove of said internal perimeter surface of said hole of said material piece, has a triangular screw thread shape.
10. (Previously Presented): A field converter as defined in claim 1, wherein the field converter is housed in a sealed container of SUS304 stainless steel.

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11. (Previously Presented): A fluid processing device comprising,
a hollow container having an intake and an outlet, and
said field converter as defined in claim 1, is positioned in said container.

12. (Original): A fluid processing device as defined in claim 11, wherein,
said central axes of the material pieces being constituent of the field converter, are
generally aligned with a principal stream direction of processed fluid which pass through said
container.

13. (Original): A fluid processing device as defined in claim 12, wherein,
said fluid is liquid, and
said fluid processing device is connected to a service pipe to supply said liquid, and said
liquid is pressurized comparing with surrounding atmospheric pressure in said pipe.

14. (Currently Amended): A method for processing fluid, which comprises:
(a) preparing Fluid being passed through said fluid processing device as defined in claim
11; and
(b) passing fluid through said fluid processing device.

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15. (Currently amended): The method for processing fluid ~~Fluid~~ as defined in claim 14,
wherein said fluid is water.